

# State Injury Profile for West Virginia

## *About the State Injury Profiles...*

Following this introduction you will find the injury profile for your state and the nation. The maps and tables contain information on injury deaths and death rates; however, it is important to remember that hundreds of thousands of Americans are nonfatally injured each year, many of whom suffer permanent disabilities. Your state injury profile includes:

- The 10 leading causes of death by age group for your state and the nation. These charts contain the total number of deaths for the three-year period 1995 through 1997. The summary table at the bottom of each page shows the total number of injuries across all ages for the same three-year period and the average number of deaths per year.
- The tables on the next page show the number of deaths for your state and the nation for the leading causes of injury death (separated by the type of injury—unintentional, suicide, and homicide) for the same three-year period.
- The next pages contain U.S. maps indicating the death rate per 100,000 persons for all states over a three-year period (1995-1997) for the leading causes of injury death. Beneath each map is a graph showing the death rate over a 10-year period (1988-1997). These maps and graphs will allow you to compare death rates for your state to other states and understand the 10-year trend in your state compared to the U.S. trend.
- The last two maps in the Profile give death-rate data and 10-year trends for two of the most frequent and disabling types of injury-related deaths: traumatic brain injury-related deaths, which can be caused by falls, firearms, motor-vehicle crashes, or other causes; and firearm-related deaths, unintentional or the result of homicide or suicide.

This State Injury Profile 2000 is presented as an appendix to the Centers for Disease Control and Prevention (CDC) Injury Fact Book, *Working to Prevent and Control Injury in the United States*. The Fact Book contains information regarding the cost of injury and the value of prevention, the work of CDC's National Center for Injury Prevention and Control, and the Safe USA Partnership Council. The Fact Book also contains fact sheets for many of the leading causes of injury death. Additional information can also be obtained from—

- The CDC National Center for Injury Prevention and Control web site: <http://www.cdc.gov/ncipc/>
- The CDC National Center for Injury Prevention and Control, Office of Planning, Evaluation, and Legislation: 770-488-4936
- Safe USA web site: <http://www.cdc.gov/safe/>
- Safe USA toll-free number: 1-888-252-7751

# United States

## 10 Leading Causes of Deaths by Age Group: 1995-1997

Rank	Age Groups										Total
	<1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65+	
1	Congenital Anomalies 19,113	Unintentional Injuries 6,432	Unintentional Injuries 4,734	Unintentional Injuries 5,614	Unintentional Injuries 41,018	Unintentional Injuries 38,858	Malignant Neoplasms 51,258	Malignant Neoplasms 134,242	Malignant Neoplasms 261,040	Heart Disease 1,834,538	Heart Disease 2,197,898
2	Short Gestation 11,760	Congenital Anomalies 1,922	Malignant Neoplasms 1,593	Malignant Neoplasms 1,491	Homicide 19,978	HIV 23,935	Unintentional Injuries 43,023	Heart Disease 104,809	Heart Disease 201,533	Malignant Neoplasms 1,147,043	Malignant Neoplasms 1,617,565
3	SIDS 9,438	Malignant Neoplasms 1,350	Congenital Anomalies 706	Homicide 1,023	Suicide 13,328	Suicide 17,825	Heart Disease 40,047	Unintentional Injuries 29,523	Bronchitis Emphysema Asthma 30,143	Cerebro-vascular 419,616	Cerebro-vascular 477,724
4	Respiratory Distress Synd. 4,117	Homicide 1,247	Homicide 510	Suicide 931	Malignant Neoplasms 4,919	Homicide 16,665	HIV 39,570	HIV 17,951	Cerebro-vascular 29,087	Bronchitis Emphysema Asthma 274,359	Bronchitis Emphysema Asthma 317,955
5	Maternal Complications 3,802	Heart Disease 680	Heart Disease 387	Congenital Anomalies 647	Heart Disease 3,106	Malignant Neoplasms 14,327	Suicide 19,938	Cerebro-vascular 16,960	Diabetes 24,987	Pneumonia & Influenza 226,837	Unintentional Injuries 283,912
6	Placenta Cord Membranes 2,871	Pneumonia & Influenza 504	HIV 288	Heart Disease 554	HIV 1,318	Heart Disease 10,097	Homicide 11,689	Liver Disease 16,300	Unintentional Injuries 20,719	Diabetes 138,117	Pneumonia & Influenza 253,099
7	Unintentional Injuries 2,356	HIV 411	Pneumonia & Influenza 221	Bronchitis Emphysema Asthma 294	Congenital Anomalies 1,254	Cerebro-vascular 2,118	Liver Disease 10,853	Suicide 14,317	Liver Disease 15,921	Unintentional Injuries 91,315	Diabetes 183,657
8	Perinatal Infections 2,321	Septicemia 236	Bronchitis Emphysema Asthma 143	Pneumonia & Influenza 184	Bronchitis Emphysema Asthma 684	Diabetes 1,881	Cerebro-vascular 8,281	Diabetes 12,589	Pneumonia & Influenza 10,830	Alzheimer's Disease 63,461	Suicide 92,722
9	Pneumonia & Influenza 1,409	Perinatal Period 222	Benign Neoplasms 132	HIV 180	Pneumonia & Influenza 630	Pneumonia & Influenza 1,724	Diabetes 5,581	Bronchitis Emphysema Asthma 8,395	Suicide 8,675	Nephritis 62,838	HIV 90,761
10	Intrauterine Hypoxia 1,355	Benign Neoplasms 189	Anemias 98	Cerebro-vascular 135	Cerebro-vascular 527	Liver Disease 1,690	Pneumonia & Influenza 4,335	Pneumonia & Influenza 6,405	Septicemia 5,350	Septicemia 52,315	Liver Disease 75,444

### United States Total Number of Injury Deaths

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Unintentional Injury	283,912	64.5%
Intentional	156,434	35.5%
<b>Total (1995-1997)</b>	<b>440,346</b>	<b>100.0%</b>

Average Number of Injury Deaths per Year  
In the United States = **146,782**

# West Virginia

## 10 Leading Causes of Deaths by Age Group: 1995-1997

Rank	Age Groups										Total
	<1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65+	
1	Congenital Anomalies 130	Unintentional Injuries 36	Unintentional Injuries 36	Unintentional Injuries 46	Unintentional Injuries 350	Unintentional Injuries 320	Malignant Neoplasms 392	Malignant Neoplasms 1,088	Malignant Neoplasms 2,271	Heart Disease 17,368	Heart Disease 20,906
2	SIDS 78	Congenital Anomalies 14	Congenital Anomalies 6	Malignant Neoplasms 10	Suicide 106	Suicide 145	Heart Disease 349	Heart Disease 1,001	Heart Disease 2,057	Malignant Neoplasms 10,251	Malignant Neoplasms 14,173
3	Short Gestation 54	Malignant Neoplasms 12	Homicide 6	Suicide 6	Homicide 50	Malignant Neoplasms 100	Unintentional Injuries 292	Unintentional Injuries 258	Bronchitis Emphysema Asthma 339	Cerebro-vascular 3,277	Cerebro-vascular 3,698
4	Respiratory Distress Synd. 34	Homicide 6	Malignant Neoplasms 5	Congenital Anomalies 5	Malignant Neoplasms 42	Heart Disease 90	Suicide 146	Diabetes 146	Diabetes 252	Bronchitis Emphysema Asthma 2,881	Bronchitis Emphysema Asthma 3,336
5	Placenta Cord Membranes 21	Heart Disease 3	Heart Disease 3	Heart Disease 4	Heart Disease 18	Homicide 67	Liver Disease 73	Liver Disease 122	Cerebro-vascular 251	Pneumonia & Influenza 1,767	Unintentional Injuries 2,304
6	Maternal Complications 17	Pneumonia & Influenza 3	Pneumonia & Influenza 2	Homicide 4	Congenital Anomalies 11	HIV 64	Homicide 67	Suicide 120	Unintentional Injuries 165	Diabetes 1,498	Diabetes 1,951
7	Perinatal Infections 14	Perinatal Period 2	6 Tied	Cerebro-vascular 2	Pneumonia & Influenza 6	Congenital Anomalies 15	HIV 61	Cerebro-vascular 111	Liver Disease 121	Unintentional Injuries 792	Pneumonia & Influenza 1,943
8	Intrauterine Hypoxia 9	4 Tied	6 Tied	Pneumonia & Influenza 2	Cerebro-vascular 5	Diabetes 13	Diabetes 42	Bronchitis Emphysema Asthma 85	Suicide 106	Nephritis 659	Suicide 817
9	Pneumonia & Influenza 8	4 Tied	6 Tied	Septicemia 2	HIV 4	Liver Disease 9	Cerebro-vascular 39	Homicide 48	Pneumonia & Influenza 90	Septicemia 551	Nephritis 741
10	Unintentional Injuries 8	4 Tied	6 Tied	Bronchitis Emphysema Asthma 1	Bronchitis Emphysema Asthma 3	Cerebro-vascular 8	Bronchitis Emphysema Asthma 23	2 Tied	Nephritis 43	Alzheimer's Disease 547	Septicemia 655

### West Virginia Total Number of Injury Deaths

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Unintentional Injury	2,304	67.6%
Intentional Injury	1,102	32.4%
<b>Total (1995-1997)</b>	<b>3,406</b>	<b>100.0%</b>

Average Number of Injury Deaths per Year  
In West Virginia = **1,135**

# 1995-1997 Leading Causes of Death

## Unintentional Injury

### United States Unintentional Injury

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
MV Traffic	127,193	44.8%
Fall	33,633	11.8%
Poisoning	28,745	10.1%
Suffocation	12,987	4.6%
Drowning	12,360	4.4%
Fire/Burn	11,304	4.0%
Other Causes	57,690	20.3%
	<b>283,912</b>	<b>100.0%</b>

### West Virginia Only Unintentional Injury

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
MV Traffic	1,071	46.5%
Fall	324	14.1%
Suffocation	121	5.3%
Fire/Burn	106	4.6%
Drowning	94	4.1%
Other Causes	588	25.5%
	<b>2,304</b>	<b>100.1%</b>

## Intentional Injury

### United States Suicide

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Firearm	54,235	58.5%
Suffocation	15,960	17.2%
Poisoning	15,355	16.6%
Other Causes	7,172	7.7%
	<b>92,722</b>	<b>100.0%</b>

### West Virginia Only Suicide

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Firearm	603	73.8%
Poisoning	90	11.0%
Suffocation	80	9.8%
Other Causes	44	5.4%
	<b>817</b>	<b>100.0%</b>

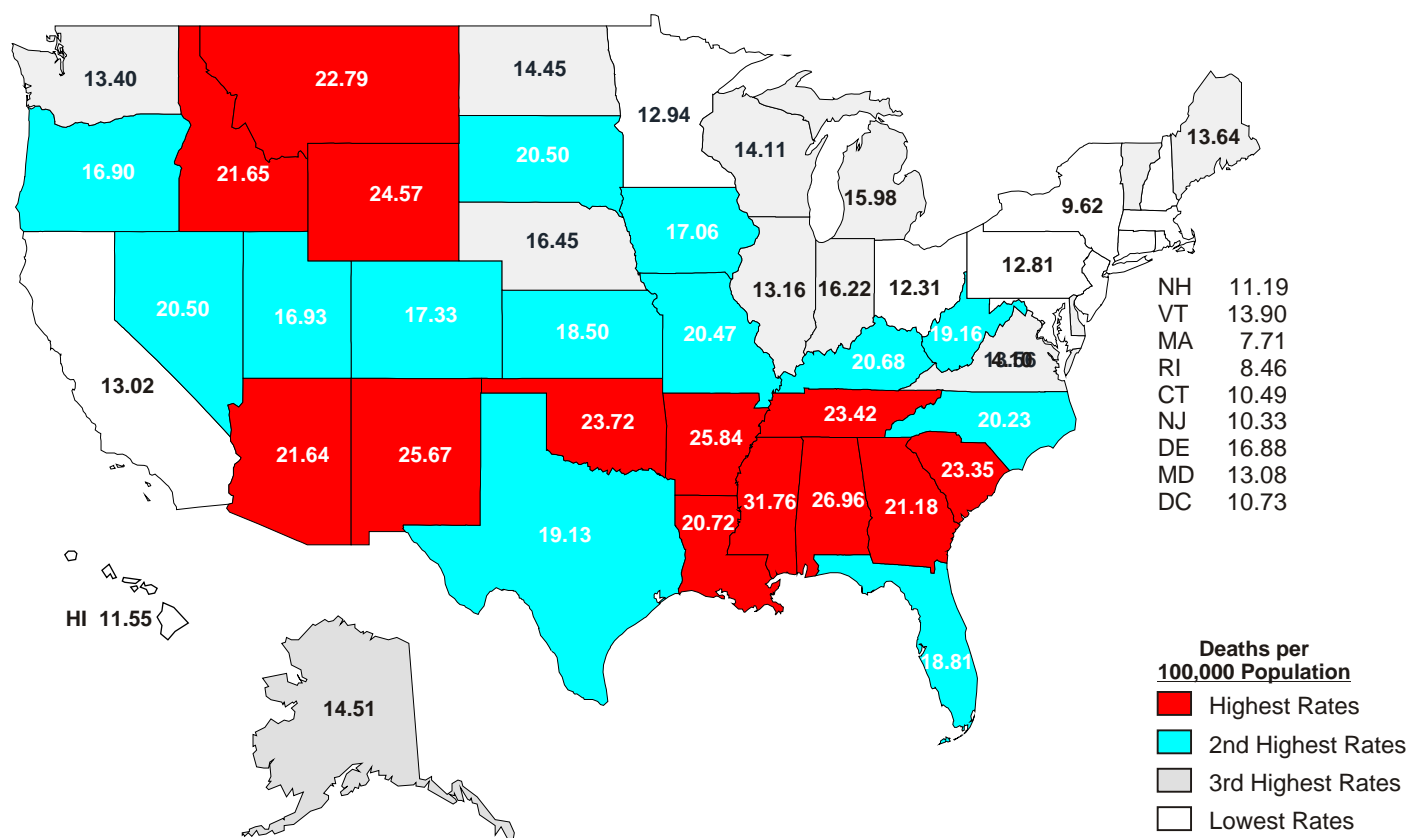
### United States Homicide and Legal Intervention

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Firearm	43,684	68.6%
Cut/Pierce	7,647	12.0%
Suffocation	2,327	3.7%
Other Causes	10,054	15.8%
	<b>63,712</b>	<b>100.0%</b>

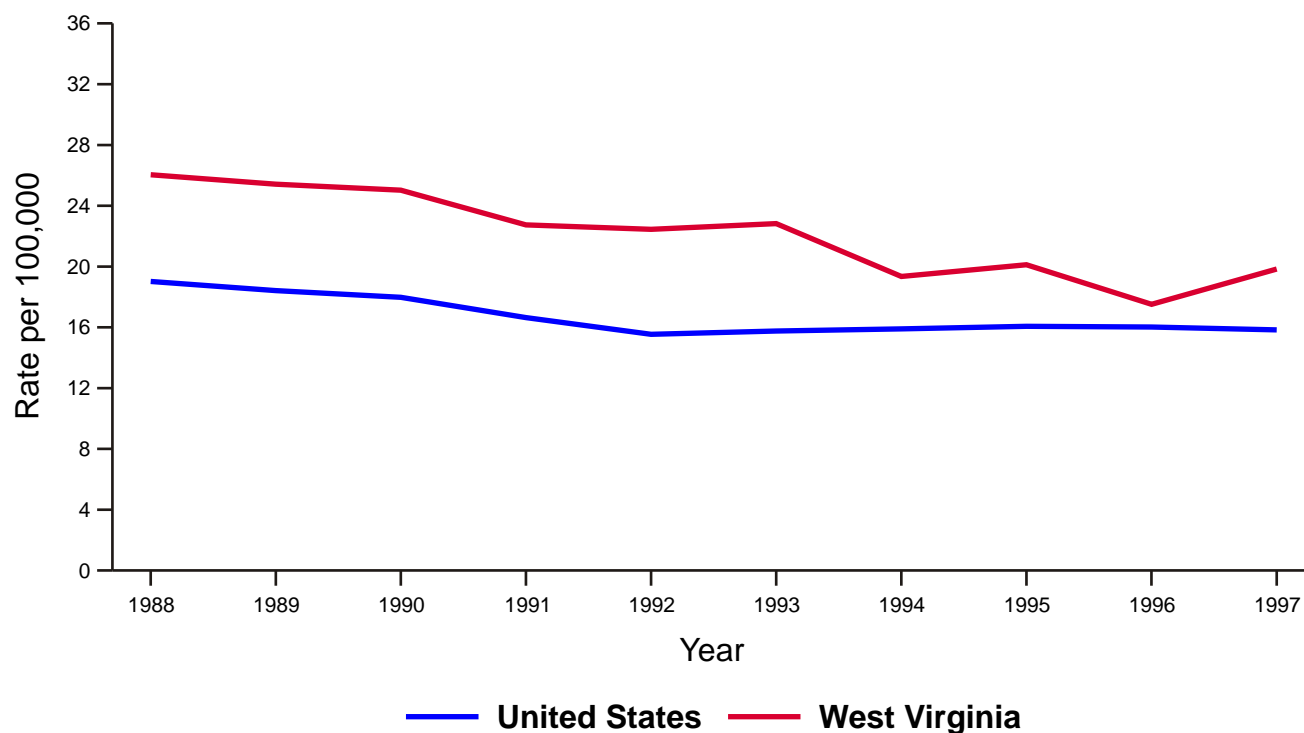
### West Virginia Only Homicide and Legal Intervention

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Firearm	192	67.4%
Cut/Pierce	22	7.7%
Suffocation	8	2.8%
Other Causes	63	22.1%
	<b>285</b>	<b>100.0%</b>

# Unintentional Motor Vehicle, Traffic-Related Death Rates United States, 1995-1997



## United States and West Virginia 1988-1997



**Deaths per 100,000 Population**

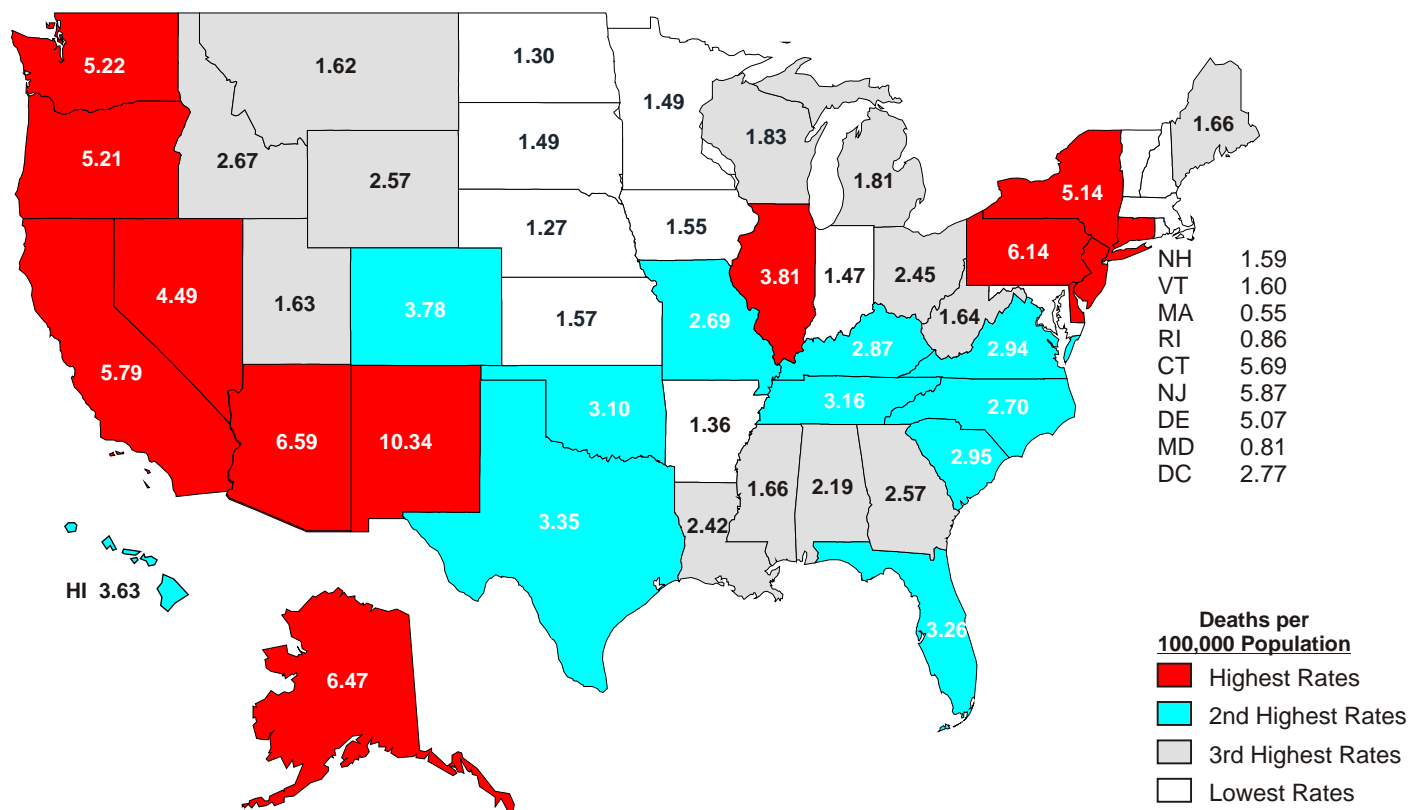
- Highest Rates
- 2nd Highest Rates
- 3rd Highest Rates
- Lowest Rates

State	Death Rate
WY	8.03
ND	7.21
SD	6.70
NE	6.62
IA	6.48
MO	6.47
WV	5.45
GA	5.78
HI	5.06
OR	5.14
MT	4.91
UT	4.95
CO	4.87
WY	4.88
IL	4.88
DC	4.82
TX	4.59
AK	4.29
VT	4.00
MA	2.64
RI	4.39
CT	4.07
NJ	3.04
DE	3.25
MD	4.06
PA	4.13
NY	4.09
CT	4.03
IN	3.11
OH	3.56
MI	4.03
WI	8.37
IL	3.67
IN	3.11
OH	3.56
PA	4.13
NY	4.09
CT	4.03
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IN	3.11
OH	3.56
MI	4.03
WI	8.37
IL	3.67
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CT	4.03
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OH	3.56
MI	4.03

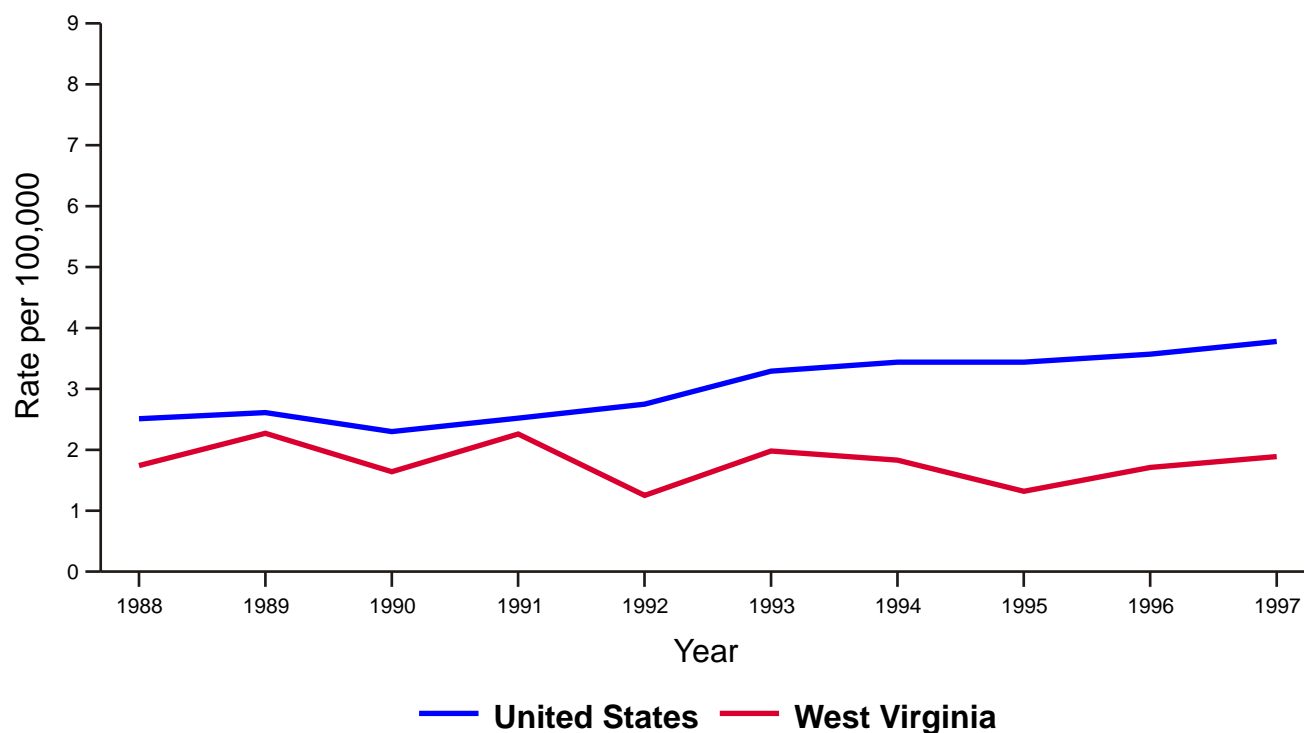
The graph displays two data series: the United States (blue line) and West Virginia (red line). The Y-axis represents the rate per 100,000, ranging from 0 to 9. The X-axis represents the year from 1988 to 1997. The United States rate starts at approximately 4.3 in 1988, dips slightly to 4.1 in 1992, and then gradually rises to 4.6 in 1997. The West Virginia rate starts at approximately 4.9 in 1988, peaks at 6.0 in 1991 and 1995, and ends at 5.5 in 1997. West Virginia consistently has a higher rate than the United States throughout the period.

Year	United States	West Virginia
1988	4.3	4.9
1989	4.2	5.5
1990	4.2	4.6
1991	4.2	6.0
1992	4.1	5.2
1993	4.1	4.6
1994	4.1	5.2
1995	4.2	6.0
1996	4.4	4.9
1997	4.6	5.5

## Unintentional Poisoning Death Rates United States, 1995-1997

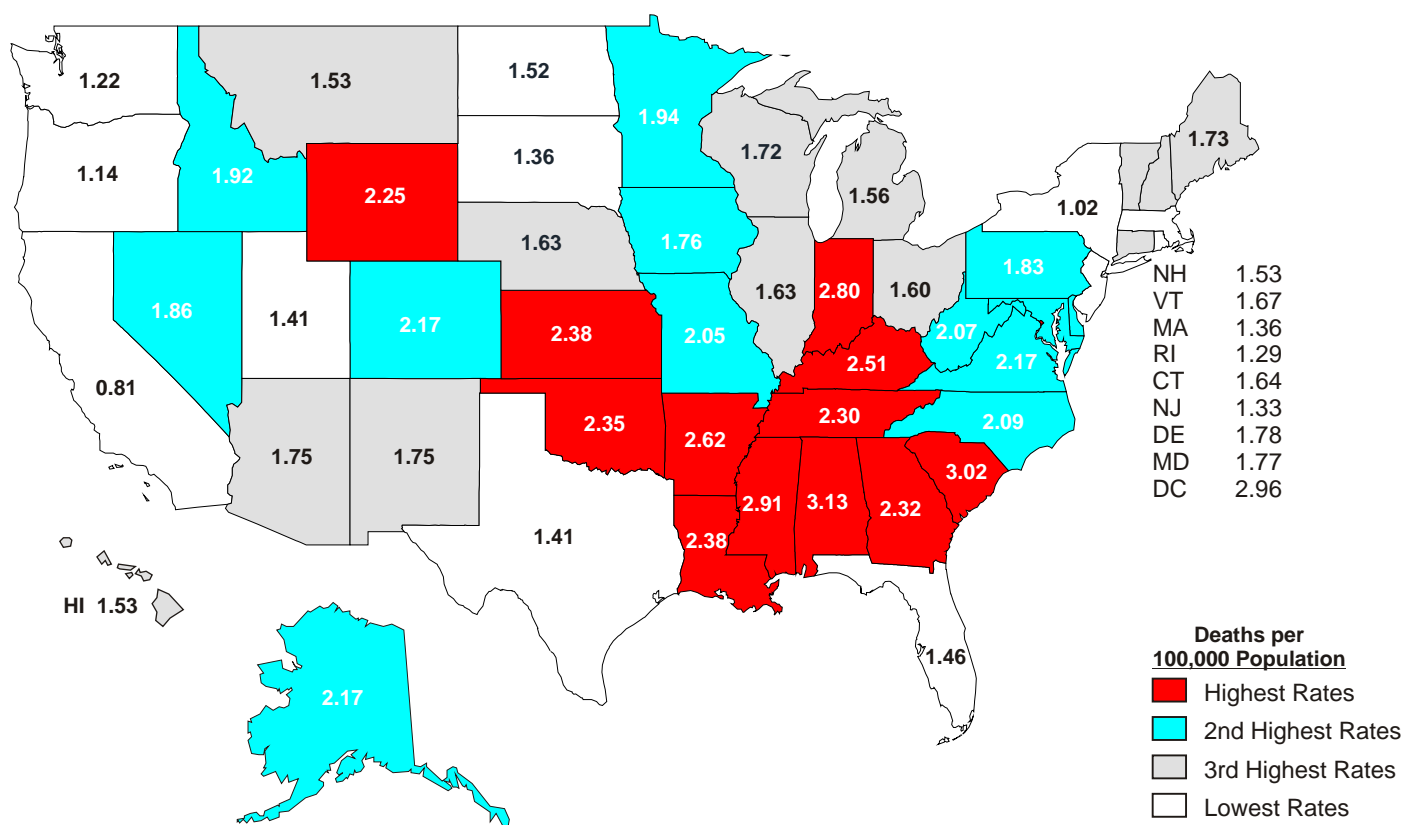


## United States and West Virginia 1988-1997

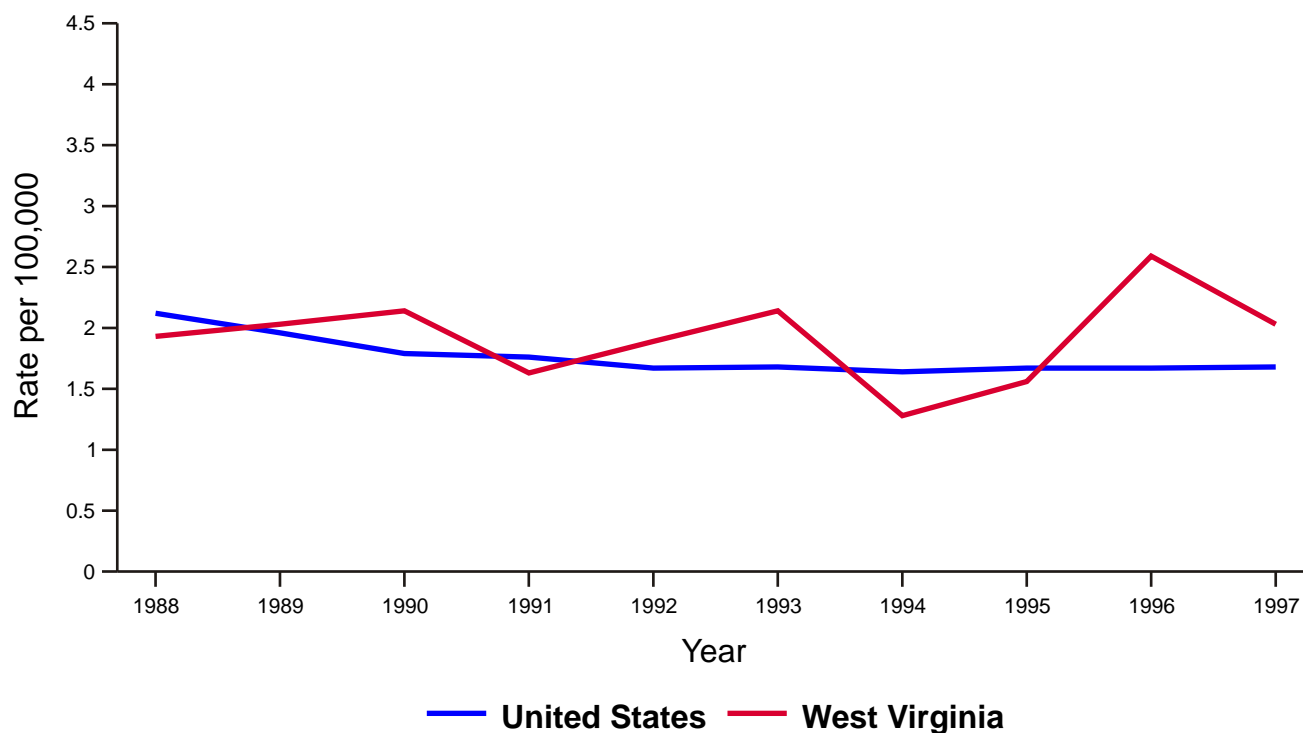




## Unintentional Suffocation Death Rates United States, 1995-1997



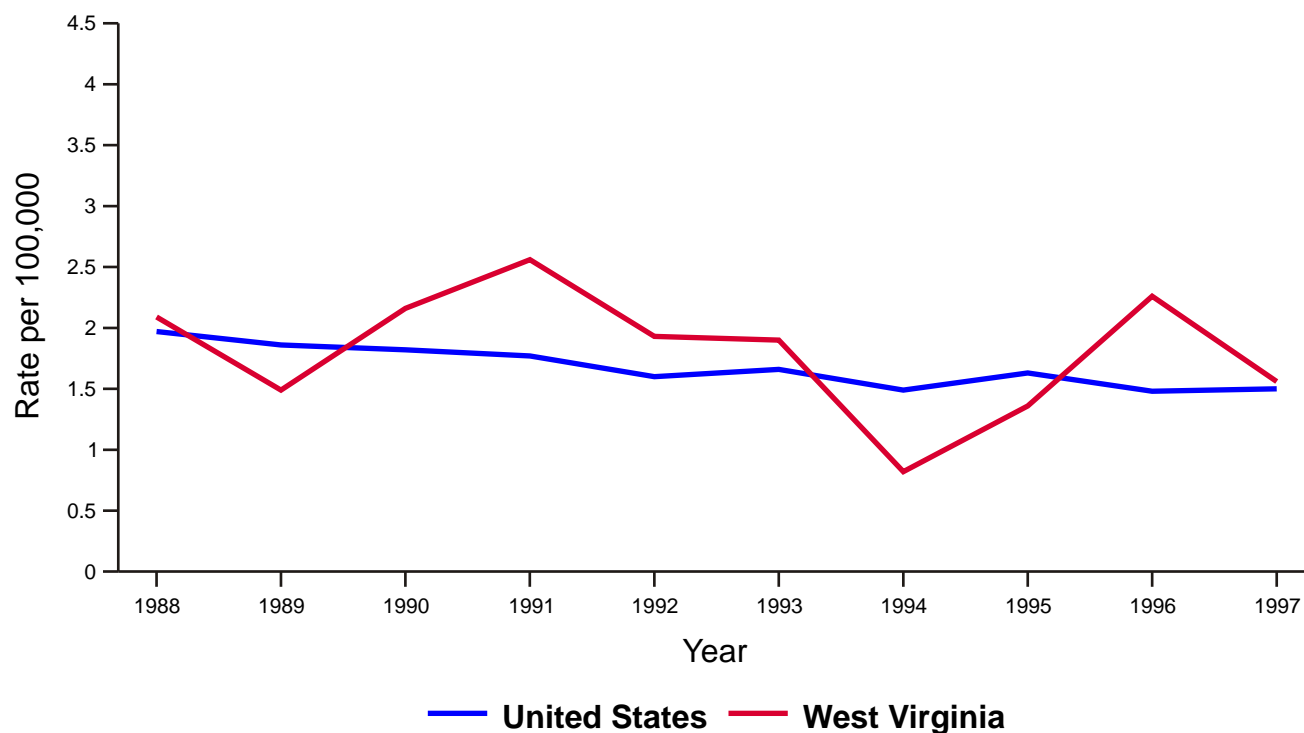
## United States and West Virginia 1988-1997



## Unintentional Drowning Death Rates United States, 1995-1997



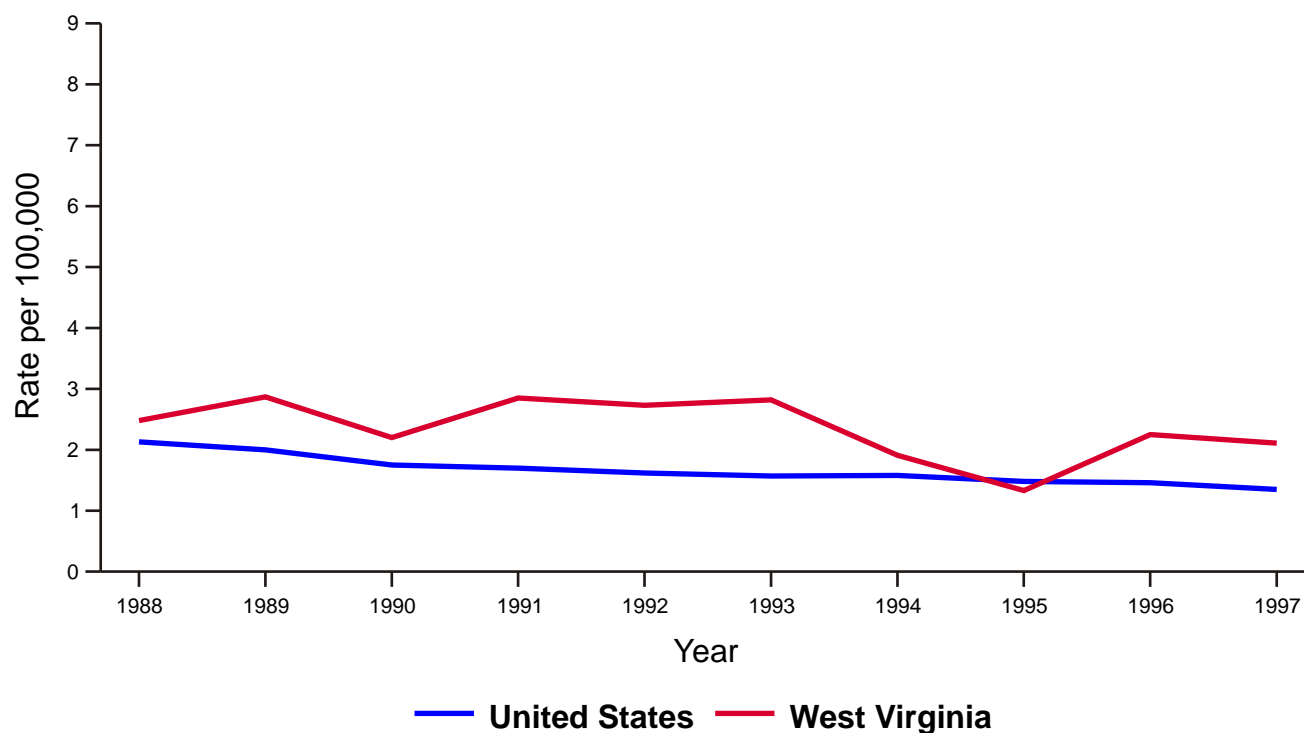
## United States and West Virginia 1988-1997



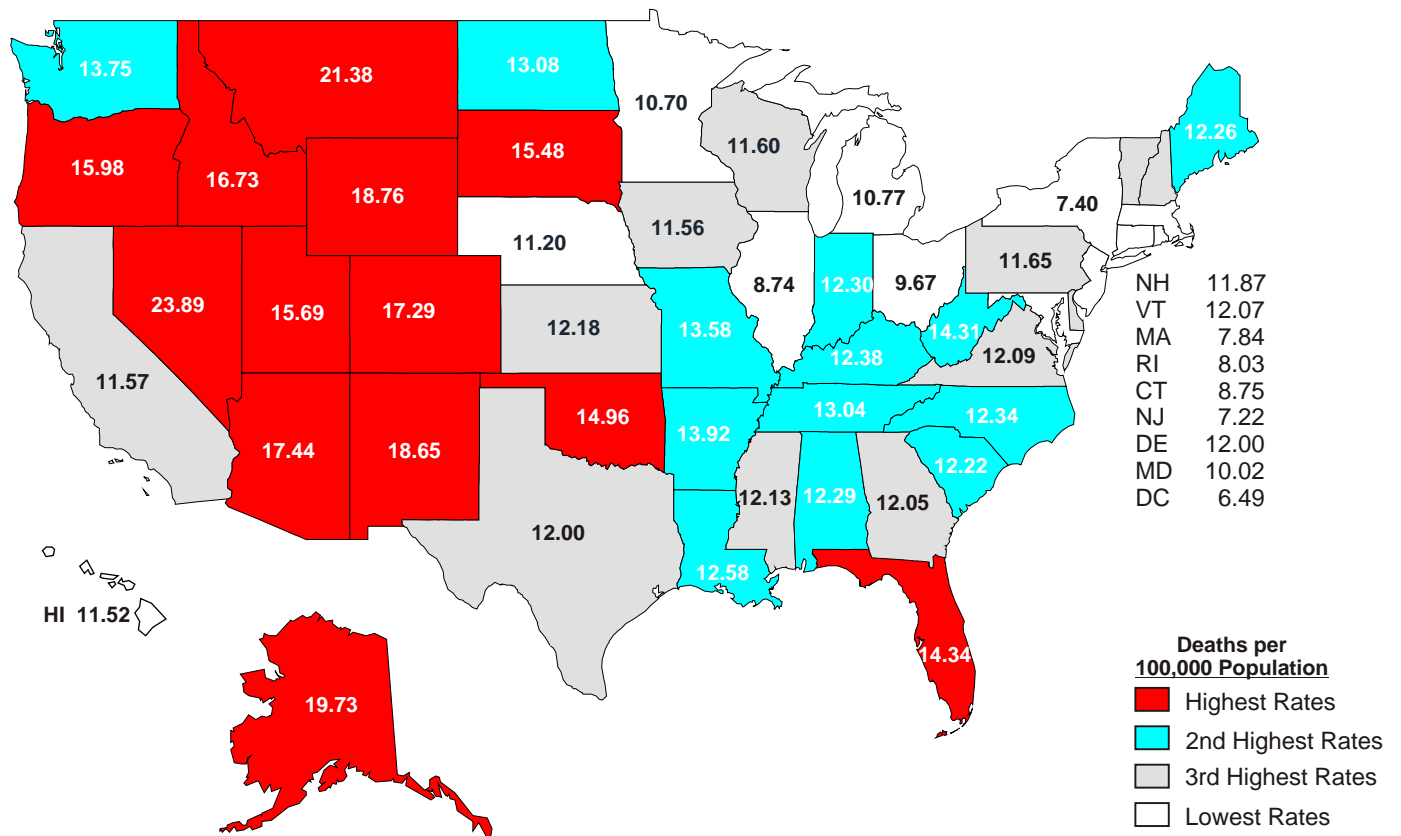
## Unintentional Fire and Burn-Related Death Rates United States, 1995-1997



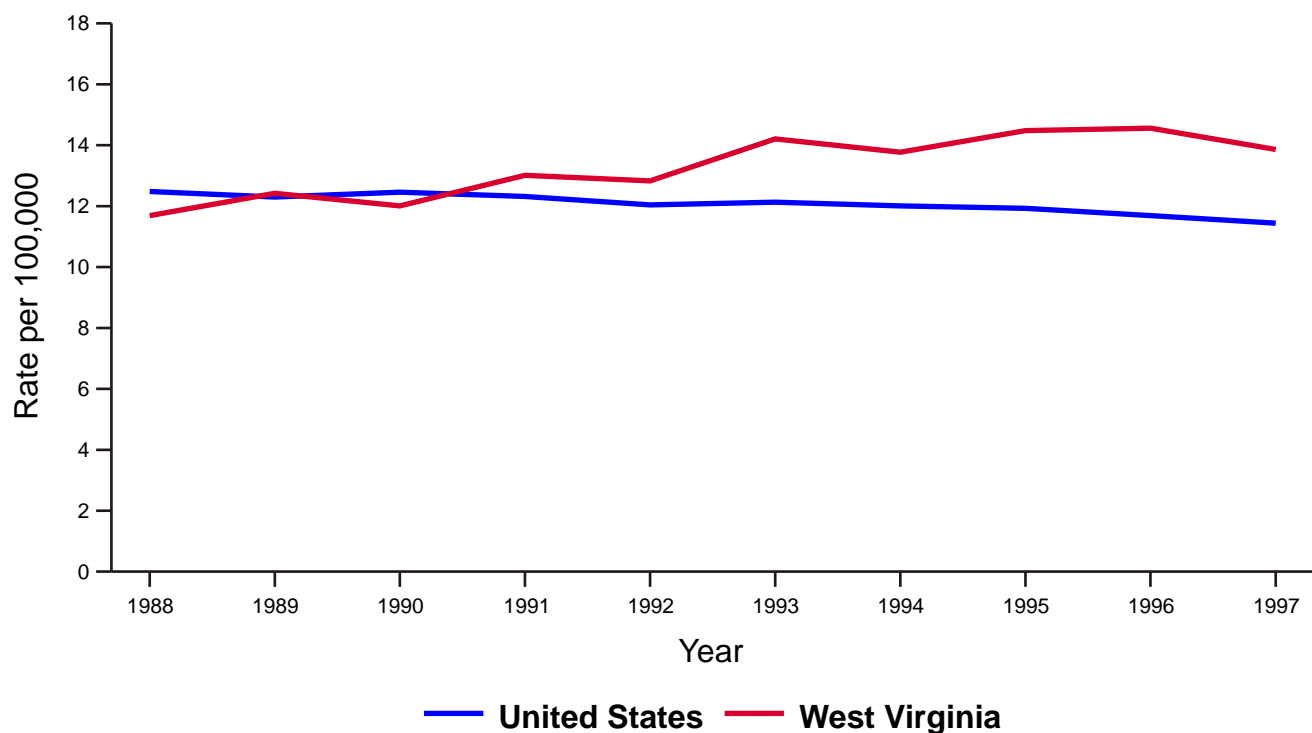
## United States and West Virginia 1988-1997



## Suicide Death Rates United States, 1995-1997



## United States and West Virginia 1988-1997

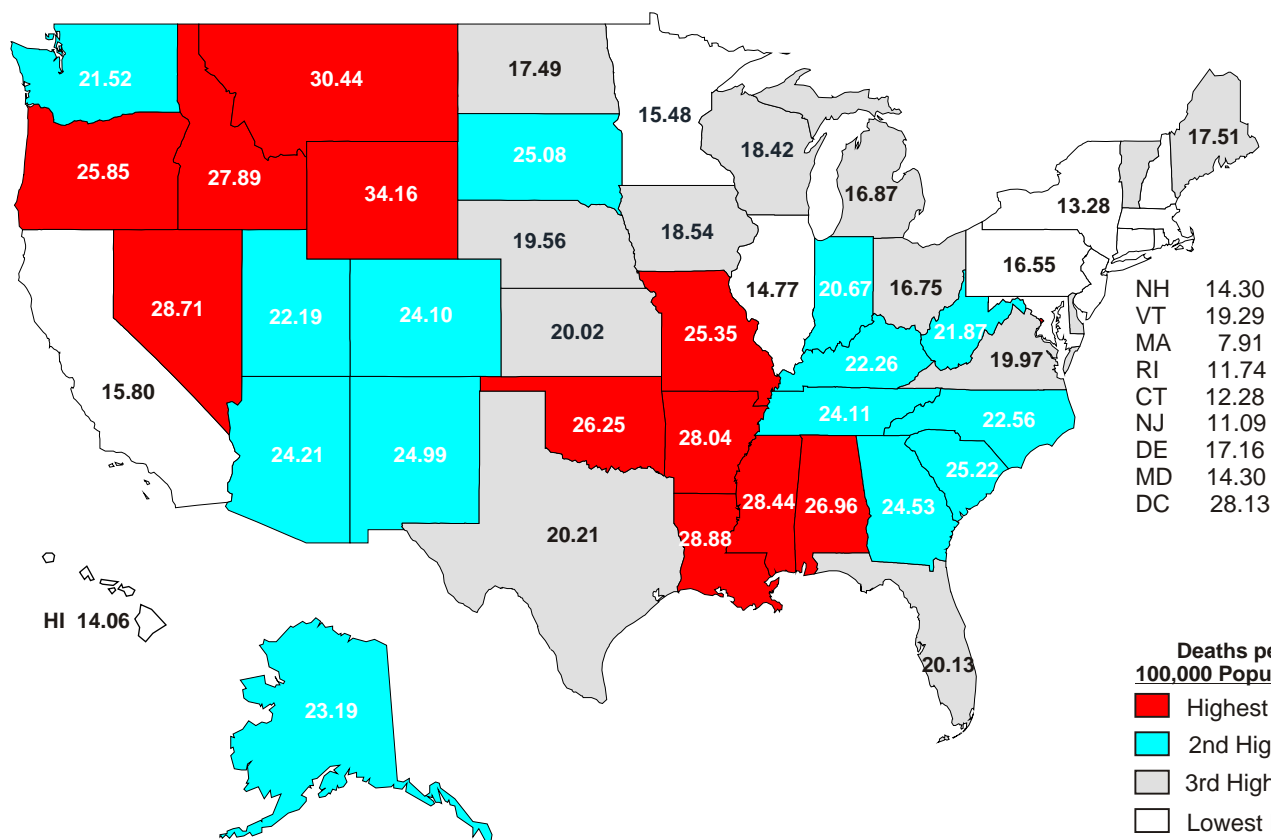


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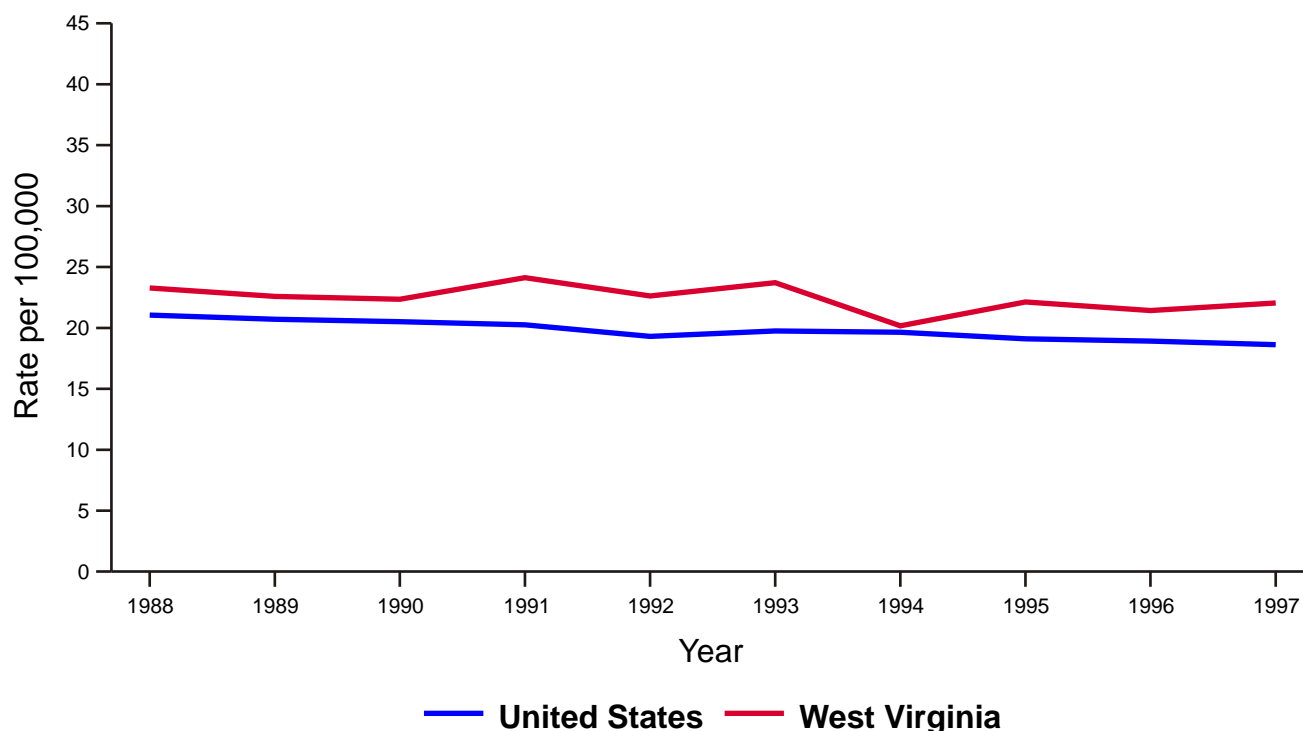
The graph displays the rate per 100,000 for the United States (blue line) and West Virginia (red line) from 1988 to 1997. The United States rate starts at approximately 8.5 in 1988, peaks at 10.0 in 1991, and ends at approximately 7.3 in 1997. The West Virginia rate starts at approximately 5.7 in 1988, peaks at 7.7 in 1993, and ends at approximately 5.5 in 1997. Both rates show a general downward trend after 1991.

Year	United States	West Virginia
1988	8.5	5.7
1989	8.8	7.5
1990	9.5	6.2
1991	10.0	6.8
1992	9.6	7.3
1993	9.8	7.7
1994	9.3	6.1
1995	8.5	5.5
1996	7.8	4.9
1997	7.3	5.5

## Traumatic Brain Injury-Related Death Rates\* United States, 1995-1997

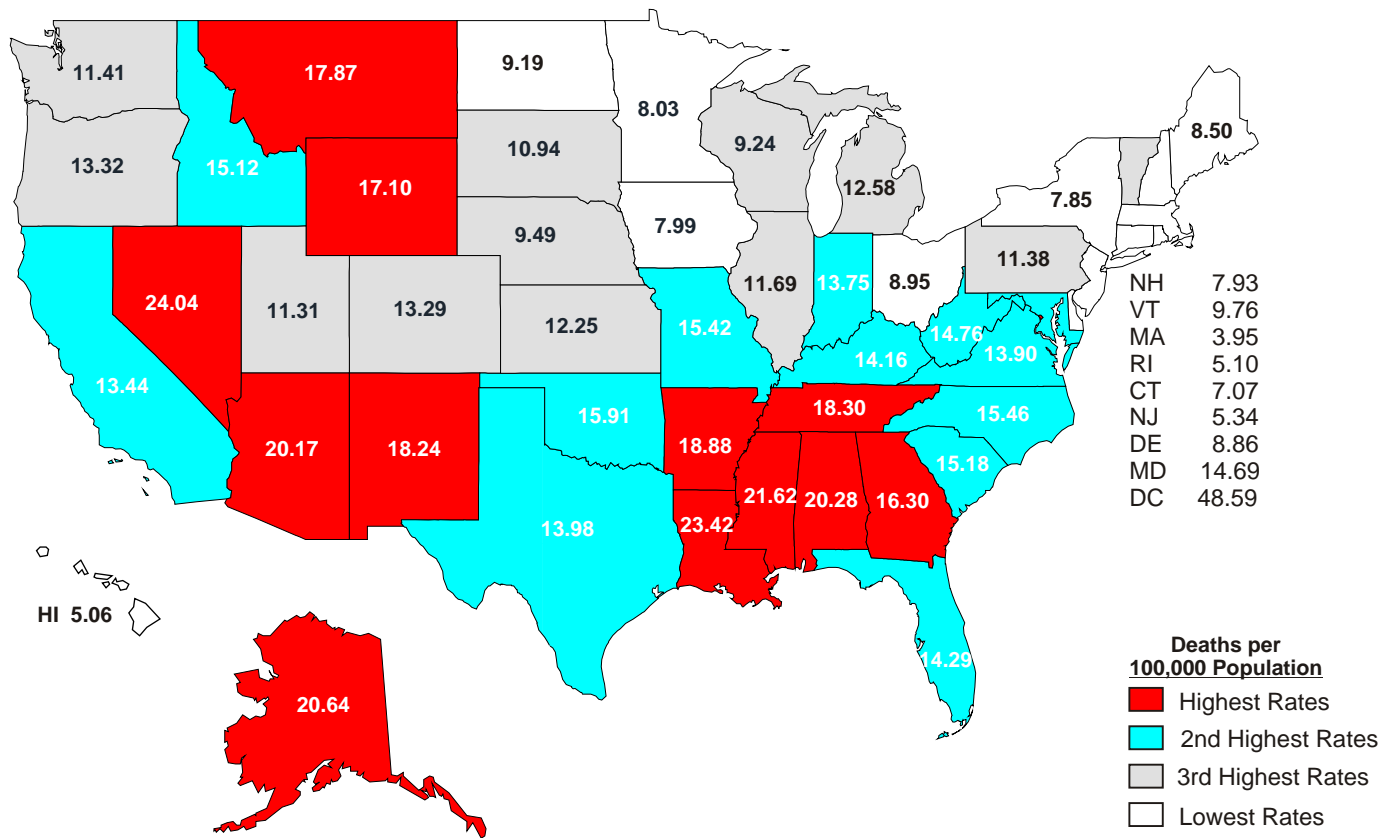


## United States and West Virginia 1988-1997

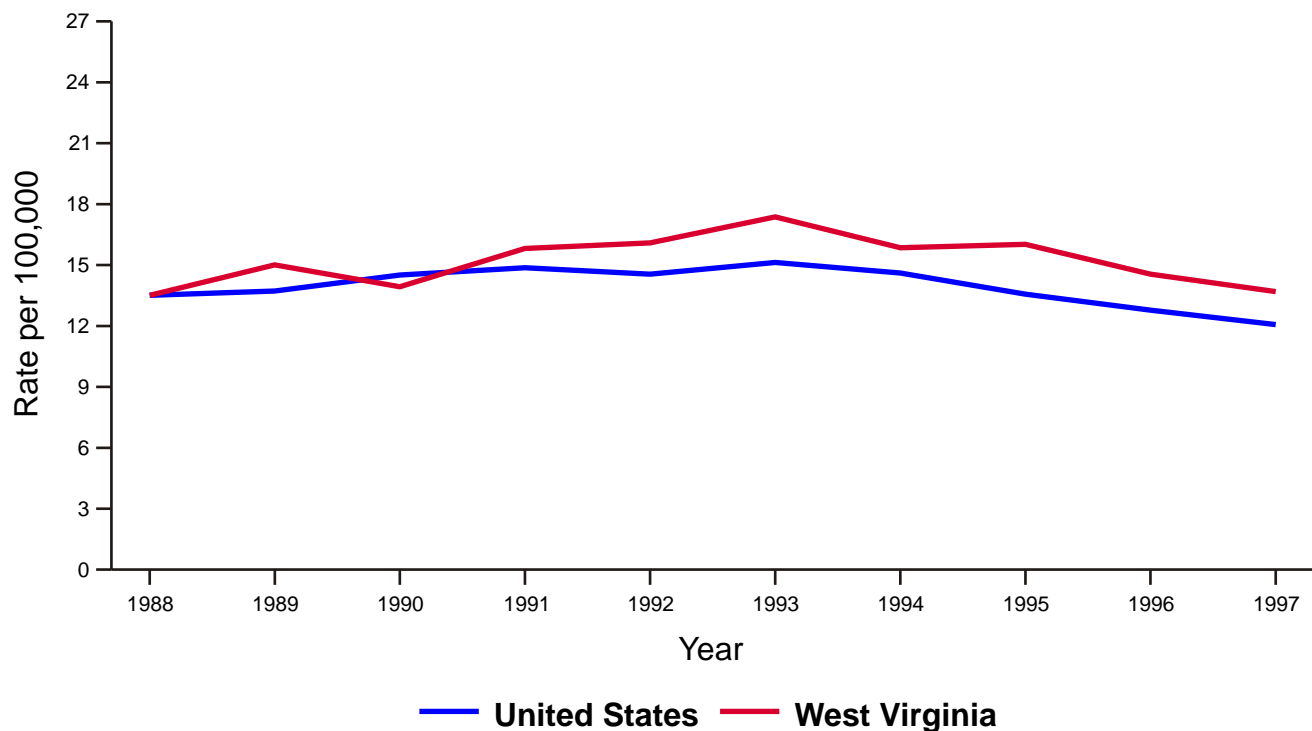


\* Includes unintentional and intentional deaths from motor vehicles, firearms, falls, and other causes (of determined and undetermined intent).

## Firearm-Related Death Rates\* United States, 1995-1997



## United States and West Virginia 1988-1997



\* Includes deaths from firearm suicide, firearm homicide, unintentional firearm-related deaths, and firearm-related deaths of undetermined intent.

## **WEST VIRGINIA INJURY CONTROL PROJECTS**

### **Cooperative Agreements**

The National Center for Injury Prevention and Control (NCIPC) currently funds the following work through a cooperative agreement in West Virginia:

- Training and Demonstration Project: a project to establish an Injury Control Training and Demonstration Center to plan, direct and coordinate a statewide program of training and applied research to improve the health of the people in rural West Virginia.  
(*West Virginia University, Morgantown*)

### **Research Grants**

At present, there are no extramural research projects in West Virginia funded by the NCIPC.